

Adarsh Alex

1326 Apt# 266, The Alameda, San Jose, CA, 95126
adarsh@knoesis.org • (937) 716-9252 • LinkedIn • Webpage

OBJECTIVE	Seeking to leverage my experience and skills in Software Engineering to develop big data analytics and scalable applications.
EDUCATION	<p>Wright State University, Dayton, Ohio, USA</p> <p>Master of Science (M.S.) in Computer Science Aug 2013 – May 2016 (Expected)</p> <ul style="list-style-type: none">▪ Research areas: Exploiting knowledge encoded in Knowledge Graphs to enhance Text Mining, Natural Language Processing and Applied Machine Learning▪ Thesis: Detecting and Classifying Implicit Entity Mentions in Tweets▪ Advisor: Dr. Amit P. Sheth▪ GPA: 3.5/4.00 <p>Mumbai University, Mumbai, Maharashtra, India</p> <p>Bachelor of Engineering (B.E.) in Computer Engineering Aug 2009 – May 2013</p>
SKILLS	<ul style="list-style-type: none">▪ Programming Languages: Java, Python, C, C++.▪ Databases: MySQL, MongoDB, Neo4j.▪ Big Data Technologies: Apache Hadoop(Mapreduce), Apache Storm.▪ Semantic Technologies: RDF, SPARQL, OWL.▪ Web Technologies: HTML, CSS, Javascript.▪ Tools and Software: NLTK, Stanford CoreNLP, Gensim, OpenNLP, Weka, word2vec, git, svn.▪ Operating Systems: Linux, Windows, Mac.
EXPERIENCE	<p>Kno.e.sis Center, Wright State University</p> <p>Graduate Research Assistant, Computer Science Department Aug 2014 – Current</p> <ul style="list-style-type: none">▪ Implicit Entity Recognition: Developed a framework for identifying tweets with Implicit Entity Mentions in unstructured text(Tweets and EMR documents) using Java and Weka. Designed and developed a system to link Implicit Entity Mentions to Wikipedia articles using factual knowledge extracted from Dbpedia and contextual knowledge extracted from Tweets.▪ Active Tweet Filtering: Implemented an analysis pipeline engine for streaming data (Tweets) using Twitter Streaming API, Apache Storm and Mongo DB. Also developed a framework for real time noise filtering and feedback learning using Apache Storm and Weka.▪ eDrugTrends: eDrugTrends is an inter-disciplinary project developed to monitor cannabis and synthetic cannabinoid use. My Work: Developed and extended an ontology to capture all the relationships between cannabinoids and synthetic cannabinoids using Protege. <p>ezDI, LLC, Ahmedabad, Gujarat, India</p> <p>Research Intern Apr 2014 – Aug 2014</p> <ul style="list-style-type: none">▪ Developed an approach for automatic knowledge acquisition from Electronic Medical Record's using Java, Virtuoso and Neo4j to enhance knowledge graph by leveraging domain knowledge and applying semantic techniques. <p>Wright State University, Ahmedabad, Gujarat, India</p> <p>Graduate Student Aug 2013 – May 2016</p> <ul style="list-style-type: none">▪ Multi-threaded broadcasting service: Implemented a broadcasting service using multi-threading in Java.▪ Distributed K-Means: Implemented a Distributed K-Means algorithm using the mapreduce paradigm.

PUBLICATIONS

- Adarsh Alex, Sujan Perera, Amit Sheth “**Detecting and Classifying Implicit Entity Mentions in Tweets**” *Technical Report* [Work in Progress].
- Sujan Perera, Pablo N. Mendes, Amit P. Sheth, Krishnaprasad Thirunarayan, Adarsh Alex, Christopher Heid, Greg Mott “**Implicit Entity Recognition in Clinical Documents**,” *In proceedings of The Fourth Joint Conference on Lexical and Computational Semantics (*SEM)*, Jun 2015.
- Sujan Perera, Pablo N. Mendes, Adarsh Alex, Amit P. Sheth, Krishnaprasad Thirunarayan “**Implicit Entity Linking in Tweets**,” *In Extended Semantic Web Conference (ESWC)*, May 2016.